Table A.2.29. Main Yard AOC 18 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
S0885 11/12/02 PAOC 8	16	6	Fill: 0-10 (petroleum odor at 1-5; petroleum sheen at 10) Clay: 10-16	72 (10-10.5)	O, S, N	S0885F1 (10-10.5)	V, S, M	Iron: 23200 mg/kg
S0837 MW133 8/28/02 Full RFI AOC 19	14	1	Fill: 0-11: (product like odor at 1-4; catalyst beads at 4-6; black stained at 4-6) Silt: 11-12	223 (6-6.5)	P, S, F	S0837A4 (1.5-2)	V, S, M (DP,MS/ MSD)	None
						S0837C3 (5-5.5)	Phys. Char.	
			Sand: 12-14		P, S, F	S0837C4 (5.5-6)	V, S, M, SPLP metals	Benzo(a)anthracene: 31 mg/kg **Benzo(a)pyrene: 27 mg/kg** Benzo(b)fluoranthene: 26 mg/kg Benzo(k)fluoranthene: 13 mg/kg Carbazole: 4.4 mg/kg Dibenzo(a,h)anthracene: 3.2 mg/kg Indeno(1,2,3-cd)pyrene: 11 mg/kg Iron: 29000 mg/kg
					P, S, N	S0837G4 (13.5-14)	V, S, M	None
					Water	MW133 10/17/02	V, S, M water quality	**Benzene: 2J ug/L**
H0415 9/28/99 2nd OWSS (MY3)	12	2	Fill: 0-7: Clay and sand: 7-12	2 (3-4)	Water	H0415	V, S, M	Arsenic: 13.5 ug/L Lead: 19.4 ug/L Vanadium: 58.4 ug/L
H0303 8/9/99 2nd OWSS (MY3)	12	3.5	Fill: 0-7: (staining at 3.5-4, hydrocarbon odor; fly ash, globules of dark brown to black liquid, hydrocarbon odor at 6-7) Clay: 7-12 (hydrocarbon odor at 7-8 and 9-11)	140.3 (7-8)	Water	H0303	V, S, M	**Benzene: 860D ug/L** Xylenes: 210 ug/L Lead: 22.1 ug/L
PE111 7/29/99 10/99 RAP AOC 18					Post excavati on	PE110	TPH	None

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PE110 7/29/99 10/99 RAP					Post excavation	PE110	TPH	None
PE109 7/29/99 10/99 RAP AOC 18					Post excavation	PE109	TPH	None
PE108 7/29/99 10/99 RAP AOC 18					Post excavation	PE108	V, S, TPH	None
PE107 7/29/99 10/99 RAP A0C 18					Post excavation	PE107	TPH	None
PE106 7/29/99 10/99 RAP AOC 18					Post excavation	PE106	V, S, TPH	None
PE105 7/29/99 10/99 RAP AOC 18					Post excavation	PE105	TPH	None
PE104 7/29/99 10/99 RAP AOC 18					Post excavation	PE104	TPH	None
PE103 7/29/99 10/99 RAP					Post excavation	PE103	TPH	None
H0220 3/9/99 1st Groundwater Addendum AOC 18	8	2	Fill: 0-6 Clay with sand: 6-8	8.6 (3-4)	Water	H0220	V, S	**Benzene: 4 ug/L**
H0131 2/27/98 1st Groundwater AOC 18	11	0.83	Fill: 0-11: (hydrocarbon odor at 4-5)	78 (5-6)	Water	H0131A	V, S	None

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H0130 4/6/98 1st Groundwater AOC 18	4	2	Fill 0-4	0	Water	H0130A	V, S	None
TPZ13GW 2/27/98 1st Groundwater AOC 18	11	3.52	Fill: (hydrocarbon odor at 4-5)	0	None			
TPZ12GW 2/27/98 1st Groundwater AOC 18	11	0.5	Fill: 0-11	0	None			
TPZ12AGW 2/27/98 1st Groundwater AOC 18	11	0.83	Fill: (hydrocarbon odor 4-5)	78 (4-6)	None			
HP0099 9/5/97 1st Groundwater AOC 18	11	9	See SB0109	3	Water	HP-0099	V, S	None
SB0190 2/20/96 1st Soils AOC 19	6	5	Fill: 0 - 5.8: (mild petroleum odor at 0-2) Meadow Mat/Peat: 5.8-6	44 (4-6)	O, U, F	SB0190SC (4-6)	V, S, M	None
SB0109 11/21/95 1st Soils AOC 18	4	2.8	Fill: 0-4: (trace black staining at 1-2)	0	P, U, F	SB0109SA (0-2)	V, S	Benzenethiol: 16D mg/kg
SB0108 11/21/95 1st Soils AOC 18	4	2	Fill: 0-4	0	O, U, F	SB0108SA (0-2)	V, S	None
SB0107 11/21/95 1st Soils AOC 18	6	2.5	Fill: 0-6	0	P, U, F	SB0107SA (0-2)	V, S	None
PZ0014 9/7/95 1st Soils AOC 18	10	7	Fill: 0-10: trap rock/tar black/clay and silt/silt/clay and silt/silt	80 (2-4)	P, U, F	PZ0014SB (2-4)	V, S	None

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP– Synthetic Precipitation Leaching Procedure; -Phys. Char.--physical characteristics.